Nair, 106/1.14, 1.15, 1.19, 1.21; 252/514 CIMAGE AVAILABLE]

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Ø1 MAR 94 13:32:12 U.S. Patent & Trademark Office PØØ1Ø Nair, 106/1.14, 1.15, 1.19, 1.21, 1.25; 252/514, 520; 501/42 [IMAGE AVAILABLE]

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- → 28. 4,046,643, Sep. 6, 1977, Production of multi-metal particles for powder metallurgy alloys; Ralph E. Rippere, 205/103; 204/223; 205/74, 104, 145 [IMAGE AVAILABLE]
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- ightarrow 31. 3,680,190, Aug. 1, 1972, PROCESS OF MAKING DECORATIVE OBJECTS; Marie E. 13:32:12 COPY AND CLEAR PAGE, PLEASE

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Ø1 MAR 94 13:32:38 U.S. Patent & Trademark Office PØØ11 Lorch, 29/160.6; 228/182, 234.1, 262.9; 428/15, 16, 920 [IMAGE AVAILABLE]

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- 1. 5,229,070, Jul. 20, 1993, Low temperature-wetting tin-base **Englis** paste; Cynthia M. Melton, et al., 420/557; 148/24; 228/207; 420/559 [IMAGE AVAILABLE]
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- → 4. 5,102,748, Apr. 7, 1992, Non-leaded solders; Thomas E. Wylam, et al., 428/647; 420/560 [IMAGE AVAILABLE]
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hard E. Ballentine,

→ 16. 4,695,428, Sep. 22, (**)87, **Similar** composition; F

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et al., 420/561, 560 EIMA

its for the compression is a second of the contract of the con semiconductor devices; Premkumar Hingorany, 257/696; 27/827, 840; 174/52.4; 257/779; 361/771, 773 [III FE AVAILABLE] 15:30:15 COPY AND CLEAR PAGE, PLEASE INPUT: MESSAGE: Hold/Resume Clear_Output Input_Ref Continuous_Print Page/Scroll Ø1 MAR 94 13:31:00 U.S. Patent & Trademark Office PØØØ8 18. 4,670,217, Jun. 2, 1987, **Solices** composition; Robert M. Henson, et al., 420/562 [IMAGE AVAILABLE] ightharpoonup 19. $4,46\emptyset,45\emptyset$, Jul. 17, 1984, Coated valve metal anode for the electrolytic extraction of metals or metal oxides; Konrad Koziol, et al., 204/290F [IMAGE AVAILABLEI 20. 4,459,166, Jul. 10, 1984, Method of bonding an electronic device to a ceramic substrate; Raymond L. Dietz, et al., 156/89; 106/1.13, 1.14, 285; 156/325; 252/514; 257/676, 783; 361/760; 428/208, 209, 210, 448; 501/19, 20, 22, 75, 76 CIMAGE AVAILABLE] 4,436,785, Mar. 13, 1984, Silver-filled glass; Raymond L. Dietz, et al., 21. 428/427; 257/676, 783; 361/783; 428/209, 210, 428, 433, 434, 446, 450. 701. 702; 501/19 CIMAGE AVAILABLEI 13:31:01 COPY AND CLEAR PAGE, PLEASE INPUT:

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Ø1 MAR 94 13:31:34 U.S. Patent & Trademark Office PØØØ9 22. 4,416,932, Nov. 22, 1983, Thick film conductor compositions; Kumaran M. Nair, 428/209; 427/58, 63, 126.2, 126.5, 261, 266; 428/210, 323, 325, 469 CIMAGE AVAILABLE]

- 23. 4,415,116, Nov. 15, 1983, Soldering tool with resilient hold-down attachment and method of using same; W. Jack Norton, 228/180.21; 219/230; 228/51, 212 CIMAGE AVAILABLE]
- 24. 4,401,767, Aug. 30, 1983, Silver-filled glass; Raymond L. Dietz, et al., 501/19: 106/1.13, 1.14, 285; 156/325; 252/514; 257/676, 783; 361/779, 783; 428/208, 209, 210, 448; 501/20, 22, 75, 76 [IMAGE AVAILABLE]

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U.S. Patent & Trademark Office

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4,778,733 [IMAGE AVAILABLE]

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US PAT NO: 4,758,407 [IMAGE AVAILABLE] . L4: 11 of 16

ABSTRACT:

:A **lead Gai**, cadmium **Gai is** and **Is** /antimony based **Entire** alloy having a wide melting range for joining correct tubes and brass pipe and fittings. The non-toxic **tan** based **solder** composition has a range of 92.5-96.9% **Fig.**, 3.0-5.0% **cappes**, 0.1-2.0% nickel and 0.0-5.0% **waver**. The non-toxic **Am**/antimony based **soles** composition has a range of 87.0-92.9% 3.0-6.0% antimony, 3.0-5.0%**Expect**, \emptyset . \emptyset -2. \emptyset % nickel and \emptyset . \emptyset - \emptyset . 5% **EXEC** and is especially suited for plumbing applications having tight loose fitting comes joints which are exposed to potable water. 13:44:04 COPY AND CLEAR PAGE, PLEASE

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31 S L2 AND (PB OR LEAD) (3A) FREE

16 S L3 AND ((AG OR SILVER) (4A) (CU OR COPPER) (4A) (SN OR TIN)

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